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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/596,492	06/19/2000	Daniel Davis	BD-99-091	2261

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[REDACTED]
EXAMINER

NGUYEN, HOANG V

ART UNIT	PAPER NUMBER
2821	

DATE MAILED: 05/21/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

Interference

1. Claims 26-44 of this application are asserted by applicant to correspond to claims 1-35 of U.S. Patent No. 6,268,835.

2. The examiner does not consider these claims to be directed to the same invention as that of U.S. Patent No. 6,268,835 because:

- Claim 27 of the subject application recites that the rim of the reflector defines a polygonal geometric shape rather than a substantially circular shape, as recited in claim 1 of U.S. Patent 6,268,835. The points of polygonal geometric shape reflector affect the charge density and current on the reflector plate that produce different radiation field, especially in the near-field, giving a substantially different impedance as compared to the reflector having circular shape.

Therefore, reflectors having a polygonal geometric shape cannot be considered to be the same as reflectors having a substantially circular shape.

- Claim 41 of the subject application recites that “the reflector comprising a reflector surface having a periphery in the shape of a polygon and including rigid support posts located at corner points of the periphery” rather than “the reflector comprising a reflector surface pulled into shape by a plurality of drop ties coupled to a shaping surface”, as recited in claim 28 of U.S. Patent 6,268,835. It is obvious that “rigid support posts” are **not** “drop ties”. Rigid support posts and drop ties serve different functions in relation to the reflector surface and the shaping surface. As described in US Patent 6,268,835 (col 8, lines 56-59) that

"the rigid posts define points of a hexagonal periphery for the reflector antenna and are designed to carry the loads created by drop ties. Furthermore, the rigid support posts are located at corner points of the periphery while drop ties are located at each vertex of the triangles formed in the shaping nets.

Accordingly, an interference cannot be initiated based upon this claim.

Correspondence

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hoang V Nguyen whose telephone number is (703) 306-3444.

The examiner can normally be reached on Mondays-Fridays from 9:00 a.m. to 5:00 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Don Wong can be reached on (703) 308-4856. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 308-7722 for regular communications and (703) 308-7722 for After Final communications.

4. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

hvn
May 16, 2002

Don Wong
Supervisory Patent Examiner
Technology Center 2890